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1648

TECH CENTER 1600/2900



1600

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/891,823

DATE: 09/18/2002  
 TIME: 11:02:26

Input Set : A:\12071-003001.txt  
 Output Set: N:\CRF4\09182002\I891823.raw

# 1  
 fm  
 9/26/02

4 <110> APPLICANT: Neefe, John R.  
 5       Boux, Leslie J.  
 6       Winnett, Mark T.  
 7       Goldstone, Stephen E.  
 8       Siegel, Marvin  
 10 <120> TITLE OF INVENTION: HUMAN PAPILLOMA VIRUS TREATMENT  
 12 <130> FILE REFERENCE: 12071-003001  
 14 <140> CURRENT APPLICATION NUMBER: US 09/891,823  
 C--> 15 <141> CURRENT FILING DATE: 2001-10-19  
 17 <150> PRIOR APPLICATION NUMBER: US 60/214,202  
 18 <151> PRIOR FILING DATE: 2000-06-26  
 20 <160> NUMBER OF SEQ ID NOS: 140  
 22 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 24 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 9  
 26 <212> TYPE: PRT  
 27 <213> ORGANISM: Human papilloma virus  
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 30 Gln Ala Glu Pro Asp Arg Ala His Tyr  
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 33 <210> SEQ ID NO: 2  
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 35 <212> TYPE: PRT  
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 39 Gln Pro Glu Thr Thr Asp Leu Tyr Cys Tyr  
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 43 <211> LENGTH: 9  
 44 <212> TYPE: PRT  
 45 <213> ORGANISM: Human papilloma virus  
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 48 Tyr Met Leu Asp Leu Gln Pro Glu Thr  
 49        1                5  
 51 <210> SEQ ID NO: 4  
 52 <211> LENGTH: 9  
 53 <212> TYPE: PRT  
 54 <213> ORGANISM: Human papilloma virus  
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 57 Thr Leu His Glu Tyr Met Leu Asp Leu  
 58        1                5  
 60 <210> SEQ ID NO: 5  
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62 <212> TYPE: PRT  
63 <213> ORGANISM: Human papilloma virus  
65 <400> SEQUENCE: 5  
66 Leu Leu Met Gly Thr Leu Gly Ile Val  
67 1 5  
69 <210> SEQ ID NO: 6  
70 <211> LENGTH: 9  
71 <212> TYPE: PRT  
72 <213> ORGANISM: Human papilloma virus  
74 <400> SEQUENCE: 6  
75 Thr Leu Glu Asp Leu Leu Met Gly Thr  
76 1 5  
78 <210> SEQ ID NO: 7  
79 <211> LENGTH: 9  
80 <212> TYPE: PRT  
81 <213> ORGANISM: Human papilloma virus  
83 <400> SEQUENCE: 7  
84 Thr Pro Thr Leu His Glu Tyr Met Leu  
85 1 5  
87 <210> SEQ ID NO: 8  
88 <211> LENGTH: 10  
89 <212> TYPE: PRT  
90 <213> ORGANISM: Human papilloma virus  
92 <400> SEQUENCE: 8  
93 Thr Phe Cys Cys Lys Cys Asp Ser Thr Leu  
94 1 5 10  
96 <210> SEQ ID NO: 9  
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98 <212> TYPE: PRT  
99 <213> ORGANISM: Human papilloma virus  
101 <400> SEQUENCE: 9  
102 His Tyr Asn Ile Val Thr Phe Cys Cys  
103 1 5  
105 <210> SEQ ID NO: 10  
106 <211> LENGTH: 9  
107 <212> TYPE: PRT  
108 <213> ORGANISM: Human papilloma virus  
110 <400> SEQUENCE: 10  
111 Cys Tyr Glu Gln Leu Asn Asp Ser Ser  
112 1 5  
114 <210> SEQ ID NO: 11  
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116 <212> TYPE: PRT  
117 <213> ORGANISM: Human papilloma virus  
119 <400> SEQUENCE: 11  
120 Asp Thr Pro Thr Leu His Glu Tyr Met Leu  
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123 <210> SEQ ID NO: 12  
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125 <212> TYPE: PRT  
126 <213> ORGANISM: Human papilloma virus  
128 <400> SEQUENCE: 12  
129 Gly Ile Val Cys Pro Ile Cys Ser Gln Lys  
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134 <212> TYPE: PRT  
135 <213> ORGANISM: Human papilloma virus  
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138 Cys Val Gln Ser Thr His Val Asp Ile Arg  
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143 <212> TYPE: PRT  
144 <213> ORGANISM: Human papilloma virus  
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148 1 5  
150 <210> SEQ ID NO: 15  
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152 <212> TYPE: PRT  
153 <213> ORGANISM: Human papilloma virus  
155 <400> SEQUENCE: 15  
156 Val Gln Ser Thr His Val Asp Ile Arg  
157 1 5  
159 <210> SEQ ID NO: 16  
160 <211> LENGTH: 9  
161 <212> TYPE: PRT  
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165 Cys Cys Lys Cys Asp Ser Thr Leu Arg  
166 1 5  
168 <210> SEQ ID NO: 17  
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170 <212> TYPE: PRT  
171 <213> ORGANISM: Human papilloma virus  
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174 Leu Arg Leu Cys Val Gln Ser Thr His Val  
175 1 5 10  
177 <210> SEQ ID NO: 18  
178 <211> LENGTH: 10  
179 <212> TYPE: PRT  
180 <213> ORGANISM: Human papilloma virus  
182 <400> SEQUENCE: 18  
183 Arg Thr Leu Glu Asp Leu Leu Met Gly Thr  
184 1 5 10  
186 <210> SEQ ID NO: 19  
187 <211> LENGTH: 10

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Input Set : A:\12071-003001.txt  
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188 <212> TYPE: PRT  
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191 <400> SEQUENCE: 19  
192 Asp Glu Ile Asp Gly Pro Ala Gly Gln Ala  
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197 <212> TYPE: PRT  
198 <213> ORGANISM: Human papilloma virus  
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201 Val Asp Ile Arg Thr Leu Glu Asp Leu  
202 1 5  
204 <210> SEQ ID NO: 21  
205 <211> LENGTH: 9  
206 <212> TYPE: PRT  
207 <213> ORGANISM: Human papilloma virus  
209 <400> SEQUENCE: 21  
210 Leu Gly Ile Val Cys Pro Ile Cys Ser  
211 1 5  
213 <210> SEQ ID NO: 22  
214 <211> LENGTH: 9  
215 <212> TYPE: PRT  
216 <213> ORGANISM: Human papilloma virus  
218 <400> SEQUENCE: 22  
219 Leu Glu Asp Leu Leu Met Gly Thr Leu  
220 1 5  
222 <210> SEQ ID NO: 23  
223 <211> LENGTH: 9  
224 <212> TYPE: PRT  
225 <213> ORGANISM: Human papilloma virus  
227 <400> SEQUENCE: 23  
228 Thr Asp Leu Tyr Cys Tyr Glu Gln Leu  
229 1 5  
231 <210> SEQ ID NO: 24  
232 <211> LENGTH: 9  
233 <212> TYPE: PRT  
234 <213> ORGANISM: Human papilloma virus  
236 <400> SEQUENCE: 24  
237 Glu Glu Asp Glu Ile Asp Gly Pro Ala  
238 1 5  
240 <210> SEQ ID NO: 25  
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242 <212> TYPE: PRT  
243 <213> ORGANISM: Human papilloma virus  
245 <400> SEQUENCE: 25  
246 Asn Asp Ser Ser Glu Glu Glu Asp Glu Ile  
247 1 5 10  
249 <210> SEQ ID NO: 26  
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Input Set : A:\12071-003001.txt  
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251 <212> TYPE: PRT  
252 <213> ORGANISM: Human papilloma virus  
254 <400> SEQUENCE: 26  
255 Leu Gln Pro Glu Thr Thr Asp Leu Tyr  
256 1 5  
258 <210> SEQ ID NO: 27  
259 <211> LENGTH: 10  
260 <212> TYPE: PRT  
261 <213> ORGANISM: Human papilloma virus  
263 <400> SEQUENCE: 27  
264 Gly Gln Ala Glu Pro Asp Arg Ala His Tyr  
265 1 5 10  
267 <210> SEQ ID NO: 28  
268 <211> LENGTH: 9  
269 <212> TYPE: PRT  
270 <213> ORGANISM: Human papilloma virus  
272 <400> SEQUENCE: 28  
273 Asp Ile Arg Thr Leu Glu Asp Leu Leu  
274 1 5  
276 <210> SEQ ID NO: 29  
277 <211> LENGTH: 9  
278 <212> TYPE: PRT  
279 <213> ORGANISM: Human papilloma virus  
281 <400> SEQUENCE: 29  
282 Glu Pro Asp Arg Ala His Tyr Asn Ile  
283 1 5  
285 <210> SEQ ID NO: 30  
286 <211> LENGTH: 10  
287 <212> TYPE: PRT  
288 <213> ORGANISM: Human papilloma virus  
290 <400> SEQUENCE: 30  
291 Cys Cys Lys Cys Asp Ser Thr Leu Arg Leu  
292 1 5 10  
294 <210> SEQ ID NO: 31  
295 <211> LENGTH: 8  
296 <212> TYPE: PRT  
297 <213> ORGANISM: Human papilloma virus  
299 <400> SEQUENCE: 31  
300 Asp Ile Arg Thr Leu Glu Asp Leu  
301 1 5  
303 <210> SEQ ID NO: 32  
304 <211> LENGTH: 10  
305 <212> TYPE: PRT  
306 <213> ORGANISM: Human papilloma virus  
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309 Asp Arg Ala His Tyr Asn Ile Val Thr Phe  
310 1 5 10  
312 <210> SEQ ID NO: 33  
313 <211> LENGTH: 9

VERIFICATION SUMMARY

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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date